



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

INFORMATION DISCLOSURE STATEMENT

Our Ref: 36541-0005

Re: NOVANEURON INC.  
Serial No. 09/680,208  
Filed: October 6, 2000  
Title: GENE NECESSARY FOR STRIATAL  
FUNCTION, USES THEREOF, AND  
COMPOUNDS FOR MODULATING SAME

Paper No.  
Art Unit: 1645  
Examiner:

August 30, 2001

To: Commissioner of Patents and Trademarks  
Washington, D.C., 20231  
U.S.A.

Dear Sirs:

Attached is a completed PTO-1449 form listing references relating to the invention defined by the claims of the subject application, together with copies of the cited references.

As examination on the merits has not yet commenced, no fee is due.

Respectfully submitted,

**NOVANEURON INC.**

By: 

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DJH:lc

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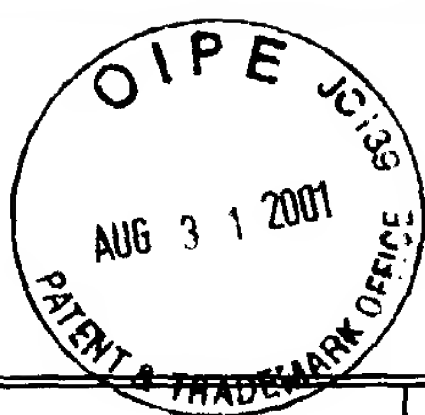
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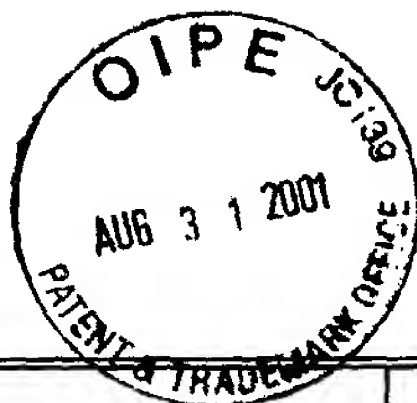
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	✓	Beavo, J. (1995). Cyclic nucleotide phosphodiesterases: functional implications of multiple isoforms. <i>Physiol. Rev.</i> 75, 725-748
	✓	Beretta, S., Robertson, H. and Graybiel, A. (1992) Dopamine and glutamate agonists stimulate neuron-specific expression of Fos-like protein in the striatum. <i>J. Neurophysiol.</i> 68, 767-777
	✓	Berke, J.D., Paletzki, R.F., Aronson, G.J., Hyman, S.E. and Gerfen, C.R. (1998) A Complex Program of Striatal Gene Expression Induced by Dopaminergic Stimulation. <i>J Neurosci.</i> 18: 5301-5310
	✓	Caine E.D., Hunt R.D., Weingartner H., Ebert M.H. (1978) Huntington's dementia. Clinical and neuropsychological features. <i>Arch-Gen-Psychiatry.</i> 35, 377-84
	✓	Cha, J-H. J., Kosinski, C.M., Kerner, J.A., Alsdorf, S.A., Mangiarini, L., Davies, S.W., Penney, John B., Bates. G.P., Young, A.B. (1998) Altered brain neurotransmitter receptors in transgenic mice expressing a portion of an abnormal human Huntington disease gene. <i>Proc. Natl. Acad. Sci. USA</i> 95: 6480-6485
	✓	Crino, P., Khodakhah, K., Becker, K., Ginsberg, S., Hemby, S. and Eberwine, J. (March 1998) Presence and phosphorylation of transcription factors in developing dendrites. <i>Proc. Natl. Acad. Sci. USA</i> 95: 2313-2318
	✓	Davies, S.W., Turmaine, M., Cozens, B.A., DiFiglia, M., Sharp, A.H., Ross, C.A., Scherzinger, E., Wanker, E.E., Mangiarini, L. and Bates, G.P. (1997) Formation of neuronal intranuclear inclusions underlies the neurological dysfunction in mice transgenic for the HD mutation. <i>Cell</i> 90, 537-548
	✓	Douglass, J., McKinzie, A.A. and Couceyro, P. (1995) PCR differential display identifies a rat brain mRNA that is transcriptionally regulated by cocaine and amphetamine. <i>J. Neurosci.</i> 15, 2471-2481
	✓	Douglass, J. and Daoud, S. (1996) Characterization of the human cDNA and genomic DNA encoding CART: a cocaine and amphetamine-regulated transcript. <i>Gene</i> 169, 241-245
	✓	Eberwine, J. (1996) Amplification of mRNA populations using aRNA generated from immobilized oligo(dt)-T7 primed cDNA. <i>Biotechniques</i> 20: 584-589
	✓	Eberwine, J., Yeh, H., Miyashiro, K., Cao, Y., Nair, S., Finnell, R., Zettel, M., Coleman, P., (1992) Analysis of gene expression in single live neurons. <i>Proc. Natl. Acad. Sci. USA</i> 89: 3010-3014
	✓	Glass, M., Faull, R.L.M. and Dragunow, M. (1993) Loss of cannabinoid receptors in the substantia nigra in Huntington's disease. <i>Neuroscience</i> 56: 523-527
	✓	Group THDCR (1993) A novel gene containing a trinucleotide repeat that is extended and unstable on Huntington's disease chromosomes. <i>Cell</i> 72: 971-983
	✓	Hinnen et al., (1978) Transformation of yeast <i>PNAS USA</i> 75: 1929-1933



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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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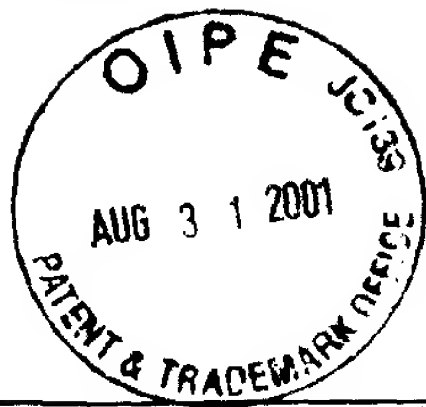
✓	Klement, I.A., Skinner, P.J., Kaytor, M.D., Yi, H., Hersch, S.M., Clark, H.B., Zoghbi, H.Y. and Orr, H.T. (Oct. 2, 1998) Ataxin-1 nuclear localization and aggregation: role in polyglutamine-induced disease in <i>SCAI</i> transgenic mice. <i>Cell</i> 95: 41-53
✓	Livesey, F.J., O'Brien, J.A., Li, M., Smith, A.G., Murphy, L.J. and Hunt, S.P. (1997) A Schwann cell mitogen accompanying regeneration of motor neurons. <i>Nature</i> 390: 614-618
✓	Livesey, F.J. and Hunt S.P. (1996) Identifying changes in gene expression in the nervous system: mRNA differential display. <i>Trends Neurosci.</i> 19: 84-88
✓	Ludlow, C.L., Connor, N.P., Bassich, C.J. (1987) Speech timing in Parkinson's and Huntington's disease. <i>Brain-Lang</i> , 32, 195-214
✓	Mangiarini, L., Sathasivam, K., Seller, M., Cozens, B., Harper, A., Hetherington, C. Lawton, M., Trotter, Y., Lehrach, H., Davies, S. W. and Bates, G. P. (1996) Exon 1 of the HD gene with an expanded CAG repeated is sufficient to cause a progressive neurological phenotype in transgenic mice. <i>Cell</i> 87: 493-506
✓	Merrifield, (1964), <i>J. Am. Chem. Assoc.</i> 85: 2149-2154
✓	Pardee, A.B. (1997) Complete genome expression monitoring: the human race. <i>Nat. Biotechnol.</i> 15: 1343-1344
✓	Polli, J.W., and Kincaid, R. L. (1994). Expression of a calmodulin-dependent phosphodiesterase isoform (PDE1B1) correlates with brain regions having extensive dopaminergic innervation. <i>J. Neurosci.</i> 14, 1251-1261
✓	Qu, -D., Ludwig, -D.S., Gammeltoft, S., Piper, M., Pelleymounter, M.A., Cullen, M.J. Mathes, W.F., Przypek, R., Kanarek, R. and Maratos-Flier, E. (1996) A role for melanin-concentrating hormone in the central regulation of feeding behaviour. <i>Nature</i> 380: 243-247
✓	Richfield, E.K. and Herkenham, M. (1994) Selective vulnerability in Huntington's disease: preferential loss of cannabinoid receptors in lateral globus pallidus. <i>Ann. Neurol.</i> 36: 577-584
✓	Ross, C.A., (1997) Intranuclear neuronal inclusions: a common pathogenic mechanism for glutamine-repeat neurodegenerative diseases? <i>Neuron</i> 19: 1147-1150
✓	Saudou, F., Finkbeiner, S., Devys, D. and Greenberg, M.E. (Oct. 2, 1998) Huntingtin acts in the nucleus to induce apoptosis but death does not correlate with the formation of intranuclear inclusions. <i>Cell</i> 95: 55-66
	Sisodia, S.S., (Oct. 2, 1998) Nuclear inclusions in glutamine repeat disorders: are they pernicious, coincidental or beneficial? <i>Cell</i> 95: 1-4
✓	Yan, C., Bentley, J. K. Sonnenburg, W. K., and Beavo, J. A. (1994). Differential expression of the 61 kDa and 63 kDa calmodulin-dependent phosphodiesterases in the mouse brain. <i>J. Neurosci.</i> 14, 973-984
✓	Young, A.B., Penney, J.B., Starosta-Rubinstein, S., Markel, D.S., Berent, S., Giordani, B., Ehrenkaufer, R., Jewett, D., Hichwa, R. (1986) PET scan investigations of Huntington's disease: cerebral metabolic correlates of neurological features and functional decline. <i>Ann-Neurol.</i> 20, 296-303

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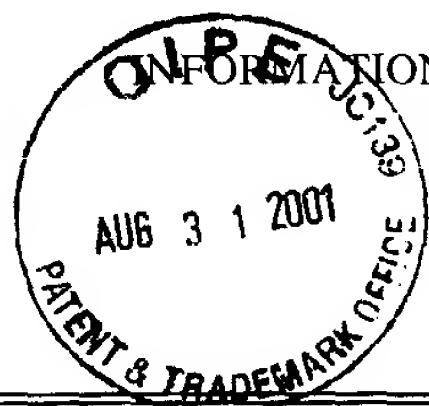
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Form PTO-1449  
(Rev. 2-32)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAttorney Docket  
No.  
36541-0005Serial No.  
09/680,208INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(Use Several Sheets if Necessary)Applicant:  
NovaNeuron Inc.Filing Date  
October 6, 2000Group Art  
Unit:  
1645

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,037,119	March 14, 2000	Beavo et al.			
	5,981,527	Nov. 9, 1999	Daugan et al.			
	5,955,583	Sept. 21, 1999	Beavo, et al.			
	5,837,535	Nov. 17, 1998	Joseph, et al.			

## FOREIGN PATENT DOCUMENTS

						Translation	
Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Yes	No
✓	WO99/42596	26-08-1999	PCT				
	WO93/05182	18-03-1993	PCT				
✓	WO94/28144	08-12-1994	PCT (Abstract)				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	✓	Babity, J.M., Armstrong, J.N., Plumier, J.-C., Currie, R.W., and Robertson, H.A. (1997a) A novel seizure-induced synaptotagmin gene identified by differential display. <i>Proc. Nat. Acad. Sci. U.S.A.</i> 94: 2638-2641
	✓	Babity, J.M., Newton, R.N., Guido, M.E. and Robertson, H.A. (1997b) The Application Of Differential Display To The Brain: Adaptations For The Study Of Heterogeneous Tissue. <i>Methods Mol Biol</i> , 85 (1997) 285-95

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\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.